

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------------|------------------|---------|------------------|
| S1 | 1345 | (field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) | US-PGPUB; USPAT | ADJ | ON | 2006/07/12 07:37 |
| S2 | 1 | "20040266308" | US-PGPUB; USPAT | ADJ | ON | 2006/07/12 08:00 |
| S3 | 12 | (field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) and (pecvd or (plasma enhanced chemical vapor deposition)) same (hydrogen or hydrogenation) same (silane or "SiH.sub.4") | US-PGPUB; USPAT | ADJ | ON | 2006/07/11 15:00 |
| S4 | 1 | ("5576060").PN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/07/11 14:30 |
| S5 | 0 | S4 and (nitrogen or ammonia or "NH.sub.3") | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/07/11 14:32 |
| S6 | 9 | ("5902650").URPN. | USPAT | ADJ | ON | 2006/07/11 14:32 |
| S8 | 5 | S6 and (nitrogen or ammonia or "NH.sub.3") and (field or electron) (emis\$7 or emit\$7) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/07/11 15:01 |
| S9 | 1 | ("6537427").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/11 14:46 |
| S10 | 8 | ("4125446" "4792842" "5147819" "5229331" "5358908" "5372973" "5923953" "6154188").PN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/07/11 14:48 |
| S11 | 2 | S10 and (nitrogen or ammonia or "NH.sub.3") and (field or electron) (emis\$7 or emit\$7) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/07/11 14:51 |
| S12 | 4 | S10 and (nitrogen or ammonia or "NH.sub.3") | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/07/11 14:51 |
| S13 | 1333 | (field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) not (pecvd or (plasma enhanced chemical vapor deposition)) same (hydrogen or hydrogenation) same (silane or "SiH.sub.4") | US-PGPUB; USPAT | ADJ | ON | 2006/07/11 15:22 |

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| S14 | 17 | ("4411734" "4624737" "4642620" "5186670" "5210472" "5319279" "5371431" "5747384" "5808400" "5825126" "5840118" "5853492" "5869169" "5888906" "5917213" "5989999" "6086442").PN. | US-PGPUB; USPAT | ADJ | ON | 2006/07/11 15:01 |
| S15 | 10 | S14 and (nitrogen or ammonia or "NH.sub.3") | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/07/11 15:22 |
| S16 | 4 | S14 and (n or "n.sup.") with dop\$3 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/07/11 15:06 |
| S17 | 4 | S14 and (n or "n.sup.\$") with dop\$3 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/07/11 15:07 |
| S18 | 84 | (field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2") same anneal\$3) not (pecvd or (plasma enhanced chemical vapor deposition)) same (hydrogen or hydrogenation) same (silane or "SiH.sub.4") | US-PGPUB; USPAT | ADJ | ON | 2006/07/11 15:35 |
| S19 | 251 | (field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) and (amorphous near silicon) | US-PGPUB; USPAT | ADJ | ON | 2006/07/11 15:36 |
| S20 | 22 | (field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) and (amorphous near silicon) same (n or "n.sup.!") with dop\$3 | US-PGPUB; USPAT | ADJ | ON | 2006/07/11 15:37 |
| S21 | 22 | (field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) and (amorphous near silicon) same (n or "n.sup.") with dop\$3 | US-PGPUB; USPAT | ADJ | ON | 2006/07/11 15:38 |
| S22 | 242 | (field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2") same (cathode or emitter or tip)) | US-PGPUB; USPAT | ADJ | ON | 2006/07/12 07:39 |

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| S23 | 11 | (field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2") same (cathode or emitter or tip or microtip)) and (pecvd or plasma cvd or plasma enhanced chemical vapor deposition) same silane | US-PGPUB; USPAT | ADJ | ON | 2006/07/12 07:44 |
| S24 | 13 | (field or electron) (emis\$7 or emit\$7) and (plasma same (ammonia or nitrogen or "NH.sub.3" or "N.sub.2")) and (pecvd or plasma cvd or plasma enhanced chemical vapor deposition) same silane same (cathode or emitter or tip or microtip) | US-PGPUB; USPAT | ADJ | ON | 2006/07/12 07:44 |
| S25 | 140 | (field or electron) (emis\$7 or emit\$7) and (native oxide) with (remov\$3 or reduc\$3) | US-PGPUB; USPAT | ADJ | ON | 2006/07/12 08:02 |
| S26 | 85 | (field or electron) (emis\$7 or emit\$7) and (native oxide) with (remov\$3 or reduc\$3) and (nitrogen or ammonia or "NH.sub.3") | US-PGPUB; USPAT | ADJ | ON | 2006/07/12 08:05 |
| S27 | 15 | (field or electron) (emis\$7 or emit\$7) and (native oxide) with (remov\$3 or reduc\$3) same (tip or micro\$1tip or emitter) and (nitrogen or ammonia or "NH.sub.3") | US-PGPUB; USPAT | ADJ | ON | 2006/07/12 08:18 |
| S29 | 3 | (field or electron) (emis\$7 or emit\$7) and (native oxide) with (remov\$3 or reduc\$3) same (tip or micro\$1tip or emitter) and (pecvd or plasma cvd or plasma enhanced chemical vapor deposition) same (silane or "SiH.sub.4") | US-PGPUB; USPAT | ADJ | ON | 2006/07/12 08:23 |
| S31 | 3 | (field or electron) (emis\$7 or emit\$7) and (native oxide) same (tip or micro\$1tip or emitter) and (pecvd or plasma cvd or plasma enhanced chemical vapor deposition) same (silane or "SiH.sub.4") | US-PGPUB; USPAT | ADJ | ON | 2006/07/12 08:37 |
| S32 | 69 | (field or electron) (emis\$7 or emit\$7) and (tip or micro\$1tip or emitter) same (doped near silicon) and @pd>"20040413" | US-PGPUB; USPAT | ADJ | ON | 2006/07/12 08:26 |

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| S33 | 18 | (field or electron) (emis\$7 or emit\$7) and (tip or micro\$1tip or emitter) same (pecvd or plasma cvd or plasma enhanced chemical vapor deposition or pcvd or pacvd) same (silane or "SiH.sub.4") | US-PGPUB; USPAT | ADJ | ON | 2006/07/12 08:38 |
| S34 | 1 | ("6323587").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 10:00 |